

## CLAIMS

WHAT IS CLAIMED IS:

1. A polyurethane composition, comprising
  - 5 a. the reaction product of:
    - i. a polyol
    - ii. a polyisocyanate
  - b. reinforcement material; and
  - c. a filler including reclaimed paint sediment.
- 10 2. A composition according to claim 1, wherein said reinforcement material is glass fibre.
3. A composition according to claim 1, wherein said filler includes a plurality of particles of reclaimed paint sediment.
4. A composition according to claim 1, wherein said reclaimed paint  
15 sediment portion of said filler includes having a majority of particles with a particle size less than or equal to about 850 microns.
5. A composition according to claim 1, wherein said reclaimed paint sediment is from a polyurethane paint system.
6. A composition according to claim 1, wherein said reclaimed paint  
20 sediment is from an acrylic paint system.
7. A composition according to claim 1, wherein said polyol includes a noncyclic aliphatic polyactive amine.
8. A composition according to claim 1, wherein said polyol includes a propylene oxide adduct of ethylenediamine.
- 25 9. A composition according to claim 8, wherein said polyol is a polyester polyol.
10. A composition according to claim 9, wherein said polyisocyanate is an aromatic diisocyanate.

11. An article comprising:
- a. a first material; and
  - b. a polyurethane foam mechanically bonded directly to said first material over at least a portion of its surface.
- 5 12. An article according to claim 11, wherein said first material is an acoustic foam.
13. An article according to claim 12, wherein said acoustic foam has a density of about .20 to about one times the density of said polyurethane foam.
- 10 14. An article according to claim 11, further comprising a chemical bond between said polyurethane foam and said first material over at least a portion of said first material.
- 15 15. An article according to claim 14, wherein said polyurethane foam is based upon a polyester polyol and said first material is a polyurethane acoustic foam based upon a polyester polyol.
16. An article according to claim 11, wherein said polyurethane foam includes a filler having reclaimed paid sediment particles dispersed therein.
17. An article according to claim 11, wherein said polyurethane foam is prepared using an oxide adduct of a polyactive amine.
- 20 18. An article according to claim 11, wherein said first material is a foam having a density of about 3 to about 10 pcf;
- said polyurethane foam has a density of about 5 to about 50 pcf;
- said article has a compressive strength of at least about 20 ksi.

19. A method for making a polyurethane containing article comprising the steps of:

- a. reacting
  - i. a polyol admixture including an oxide adduct of a polyactive amine; and
  - ii. a polyisocyanate;
- b. placing a first layer of material in a mold cavity;
- c. vacuum drawing said first layer against a platen;
- d. mechanically bonding said first layer to the reaction product of said step (a).

20. A method according to claim 19, further comprising reacting a noncyclic aliphatic polyactive amine with a polyester polyol and said polyisocyanate, and incorporating therein a filler including reclaimed paint sediment.